Schedule of Accreditation

United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK



8659

Accredited to ISO 15189:2022

Imperial College Healthcare NHS Trust **Operating as North West London Pathology**

Issue No: 025 Issue date: 25 March 2025

Department of Infection & Immunity Sciences

(Microbiology, I&I and H&I laboratories) Acrow East

St Mary's Hospital

Praed Street

London **W2 1NY** Contact: Nicola Mandikate Tel: +44 (0)20 331 15175

E-Mail: ICHC-TR.Pathologyqueries@nhs.net

Location

Testing performed by the Organisation at the locations specified below

Locations covered by the organisation and their relevant activities

Laboratory locations: Location details Activity

code Address: Local contact: Microbiology CXH (M) Nicola Mandikate Microbiology Laboratory Charing Cross Hospital Yvonne Iroadumba Fulham Palace Road London **W6 8RF Address** Immunology CXH (I) Local contact Infection & Immunity Laboratory Nicola Mandikate Microbiology 9th Floor Laboratory Block Yvonne Iroadumba Serology Charing Cross Hospital Molecular Virology Fulham Palace Road London **W6 8RF** Histocompatibility & Immunogenetics НН **Address** Local contact Histocompatability & Immunogenetics Nicola Mandikate Laboratory Yvonne Iroadumba G Block Hammersmith Hospital Du Cane Road London W12 0HS

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Site activities performed away from the locations listed above:

Location details		Activity	Location code
FELIX Laboratory Ground floor Charing Cross Hospital Fulham Palace Road London W6 8RF	Local contact: Nicola Mandikate	Molecular virology	CXH (F)
Charing Cross Hospital 5 th floor I&I Laboratory Fulham Palace Road London W6 8RF	Local contact: Nicola Mandikate	Serology Immunology Virology	CXH (I5)
Charing Cross Hospital (hub) 4 th Floor Rapid Molecular laboratory Fulham Palace Road London W6 8RF	Local contact: Nicola Mandikate	Molecular Virology	CXH (Mol)
Specimen Reception (spoke) Hammersmith Hospital Du Cane Road London W12 0HS	Local contact: Nicola Mandikate	Molecular Virology	НН
Specimen Reception (spoke) St. Mary's Hospital Praed Street Paddington London W2 1NY	Local contact: Nicola Mandikate	Molecular Virology	SMH
Specimen Reception (spoke) Hillingdon Hospital Pield Heath Rd, Uxbridge UB8 3NN	Local contact: Nicola Mandikate	Molecular Virology	ТНН

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DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS AND TISSUES	Microbiology examination activities for the purpose of clinical diagnosis	In House documented methods based on current Public Health England (PHE) Standards for Microbiology Investigations' (SMIs)'	CXH (M)
Blood,	General isolation for characterisation of	Manual or automated inoculation, incubation and image capture of	
Bone	microorganisms for the purpose of diagnosis	culture media using SOPs	
Bronchio-alveolar lavages (BAL) / washings, CPAP fluid		CSF SOP INIS-LP-204-X	
Contact lens and fluid		Cross Infection SOP INIS-LP-201-X	
Corneal scrape material		ENT SOP INIS-LP-270-H	
CSF		Enteric C&S SOP INIS-LP-207-X	
Drain fluid, dressings, bile		Faeces <i>C.difficile</i> culture SOP INIS- LP-203-X	
Expressed breast milk		Female genital SOP INIS-LP-245-X	
Faeces		GUM Bench SOP INIS-LP-246-X	
Fluids, Aspirates, antral washouts		Fungal Culture SOP INIS-LP-256-X	
Lymph node aspirates (including ultra sound guided EBUS)		H. pylori Culture SOP INIS-LP-209-X	
Pleural effusions / fluid		Peritoneal Dialysis Fluid SOP INIS-LP- 210-X	
Prostheses, heart valves, Intra uterine devices		Sterile fluids SOP INIS-LP-211-X	
Semen		Sterility Testing SOP INIS-LP-235-X	
Sputum		Respiratory setup SOP INIS-LP-214-X	
Swabs, pus		Respiratory read SOP INIS-LP-273-X	
Tips and lines		Tissue and Bone SOP INIS-LP-212-X	
Tissue, biopsies, brushes		Wounds & General Set Up Bench SOP INIS-LP-242-X	
Urines, suprapubic aspirates, nephrostomy, ileal conduits, void bladder urines.		Wounds and General bench reading SOP INIS-LP-241-X	
void biadder driffes.		Kiestra SOP INIS-LP-260-X	

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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS AND TISSUES (cont'd)	Microbiology examination activities for the purpose of clinical diagnosis (cont'd)	In House documented methods based on current Public Health England (PHE) Standards for Microbiology Investigations (SMIs):	CXH (M)
Blood, body fluids, bone marrow harvests,		Fluorescent detection of CO2 levels to detect microorganisms using BACTEC FX:	
		Blood culture FX SOP INIS-LP-322-X INIS-LP-323-X INIS-LP-244-X	
		TB SOP INIS-LP-213-X	
Sputum Bronchio-alveolar lavages (BAL) / washings, Pleural fluid / effusions CSF, Fluids Early Morning Urine Gastric washings Lymph node aspirates (including ultra sound guided EBUS), Pus, Tissues, biopsies, brushes, skin biopsies, Blood, bone marrow		Fluorescent Detection of O2 levels to detect Mycobacteria using Mycobacteria Growth Indicator Tube (MGIT), manual culture using Kirschner liquid medium TB SOP INIS-LP-213-X	
Stem cells	Sterility for Human products	Fluorescent detection of CO2 levels to detect microorganisms using BACTEC FX	
		Stem Cell SOP INIS-LP-322-X INIS-LP-323-X INIS-LP-244-X	
		Blood culture FX SOP INIS-LP-216-X	
Swabs, Urine	Screening for Methicillin resistant Staphylococcus aureus (MRSA)	Manual or automated inoculation, incubation and image capture of culture media using:	
		Cross Infection SOP INIS-LP-201-X	

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HUMAN BODY FLUIDS AND TISSUES (cont'd)	Microbiology examination activities for the purpose of clinical diagnosis (cont'd)	In House documented methods based on current Public Health England (PHE) Standards for Microbiology Investigations (SMIs):	CXH (M)
Bacteria, Fungi	Antimicrobial susceptibility testing of clinically significant bacteria and fungi	Manual disc diffusion using the latest EUCAST methodology. Manual reading or automated digital imaging by Kiestra using:	
		MIC and EUCAST sensitivity testing SOP INIS-LP-224-X	
		Fungal Susceptibility Testing SOP INIS-LP-233-X using Micronaut system	
		Kiestra SOP INIS-LP-260-X	
Bacteria, Fungi	Antimicrobial susceptibility testing of clinically significant bacteria and fungi	Automated antimicrobial susceptibility testing using BD Phoenix SOP INIS-LP-275-X	
Urine	Semi-quantification of white blood cells, red blood cells, squamous epithelial cells, bacteria, yeast, casts, spermatozoa	Manual microscopy (unstained) or automated cell counting by digital imaging using Sedimax ConTrust:	
		Manual Urine SOP INIS-LP-230-X	
		Menarini Sedimax SOP INIS-LP-239-X	
CSF, peritoneal dialysis fluid, ascitic fluid, Prosthetic joint	Quantification of white	Manual count:	
fluid	blood cells and red blood cells	CSF SOP INIS-LP-204-X	
		Peritoneal dialysis fluid SOP INIS-LP- 210-X	
		Sterile fluids INIS-LP-211-X	
Cultured isolates	Automated identification of bacteria, yeasts	Identification using Bruker Matrix Assisted Laser Desorption Ionization Time-of-Flight (MALDI-TOF):	
		MALDI-TOF SOP INIS-LP-240-X	

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HUMAN BODY FLUIDS AND TISSUES (cont'd)	Microbiology examination activities for the purpose of clinical diagnosis (cont'd)	In House documented methods based on current UK Standards for Microbiology Investigations (SMIs):	CXH (M)
Cultured isolates	Identification of bacteria, yeasts and fungi	Identification and staining methods using the following manual techniques:	
		Gram stain, Manual biochemical test assays SOP INIS-LP-226-X	
Cultured isolates	Serological typing of Salmonella sp. PSO, PSH, Vi, Shigella sp., E. coli	Using manual slide agglutination technique	
	O157, <i>V. cholera</i> O1	Enteric C&S SOP INIS-LP-207-X	
Culture positive liquid media	Identification of M. tuberculosis complex	Using BD MGIT MTBc identification card:	
	isolates	TB SOP INIS-LP-213-X	

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HUMAN BODY FLUIDS AND TISSUES (cont'd)	Microbiology examination activities for the purpose of clinical diagnosis (cont'd)	In House documented methods based on current UK Standards for Microbiology Investigations (SMIs):	CXH (M)
Blood, Bone marrow, stem cell material, Bone	Microscopic examination in order to detect and differentiate	Light microscopy (stained) using Gram stain, Diff-Quick Differential stain and Lactophenol cotton blue, lactofuschin.	
Bronchio-alveolar lavages (BAL) / washings,	microorganisms and cellular elements for the	Microbiology Identification & Staining Methods SOP INIS-LP-226-X	
Pleural effusions / fluid	purpose of diagnosis		
Contact lens and fluid		Kiestra SOP INIS-LP-260-X	
Corneal scrape material		CSF SOP INIS-LP-204-X	
CSF , Fluids, Aspirates,		Cross Infection SOP INIS-LP-201-X	
antral washouts, drain fluids		ENT SOP INIS-LP-270-H	
Lymph node aspirates		Enteric C&S SOP INIS-LP-207-X	
(including ultra sound guided EBUS)		Faeces C. difficile culture SOP INIS- LP-203-X	
Pus, Sputum, Swabs		HVS SOP INIS-LP-245-X	
Prostheses, heart valves		GUM Bench SOP INIS-LP-246-X	
Tissue, biopsies, brushes Urine		Mycology - Fungal Culture SOP INIS- LP-256-X	
		Superficial Mycoses SOP INIS-LP- 232-X	
		H.pylori Culture SOP INIS-LP-209-X	
		Peritoneal Dialysis Fluid SOP INIS-LP- 210-X	
		Sterile fluids SOP INIS-LP-211-X	
		Sterility Testing SOP INIS-LP-235-X	
		Respiratory SOP INIS-LP-214-X	
		Tissue and Bone SOP INIS-LP-212-X	
		Wounds & General Set Up Bench SOP INIS-LP-242-X	
		Wounds and General bench reading SOP INIS-LP-241-X	

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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS AND TISSUES (cont'd)	Microbiology examination activities for the purpose of clinical diagnosis (cont'd)	In House documented methods based on current UK Standards for Microbiology Investigations (SMI)	CXH (M)
Sputum, Bronchio-alveolar lavages (BAL) Pleural fluid / effusions CSF, Fluids, Pus Gastric washings Lymph node aspirates (including ultra sound guided EBUS), Tissues, biopsies, brushes, skin biopsies, Blood, bone marrow		Immunofluorescent microscopy using Auramine staining and Light microscopy using Ziehl–Neelsen staining: TB SOP INIS-LP-213-X	
Sputum, Bronchio-alveolar lavages (BAL) / washings, Pleural fluids / effusions Blood, bone marrow CSF, Fluids, Pus Tissues, biopsies	Microscopic examination in order to detect and differentiate microorganisms and cellular elements for the purpose of diagnosis	Immunofluorescent microscopy using Calcoflor and Light Microscopy (unstained) Fungal Culture SOP INIS-LP-256-X	
Faeces, Sellotape slides, parasitic material	Microscopic examination in order to detect the presence of parasites (ova, cysts, trophozoites, worms)	Manual microscopy (unstained) Faeces OCP SOP INIS-LP-208-X	
Urine	Microscopic examination in order to detect the presence of Schistosomes.	Manual microscopy (unstained): Urine SOP INIS-LP-230-X	
Urine	Urine culture and	MAST UriSystem	
	sensitivity testing	MAST Uri®System SOP INIS-LP-270-X	
Faeces	Microscopic examination in order to detect the	Immunofluorescent microscopy using auramine staining:	
	presence of Cryptosporidium sp.	Faeces OCP SOP INIS-LP-208-X	
		Using the Dynex DS2 Automated ELISA System:	
Faeces	Detection of Helicobacter sp. antigen	Helicobacter Antigen SOP INIS-LP- 221-X	

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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS AND TISSUES (cont'd)	Microbiology examination activities for the purpose of clinical diagnosis (cont'd)	In House documented methods based on current Public Health England (PHE) Standards for Microbiology Investigations (SMI):	CXH (M)
Faeces	Detection of GDH and Clostridium difficile toxins A and B	Using rapid membrane enzyme immunoassay: C. Diff Quik Chek Complete C.difficile Rapid SOP INIS-LP-202-X	
		Using Manual Immunochromatographic lateral flow:	
Serum, CSF	Cryptococcal Antigen	Using IMMY Lateral Flow Assay Cryptococcal Antigen Detection SOP INIS-LP-253-X	
Urine	Pneumococcal Urinary Antigen	Binax NOW Streptococcus pneumonia urinary antigen card: Pneumococcal Urinary Antigen SOP INIS-LP-217-X	
Urine	Legionella Urinary Antigen	Binax NOW Legionella urinary antigen card: Legionella Urinary Antigen SOP INIS-LP-218-X	

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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS AND TISSUES (cont'd)	Molecular examination activities for the purpose of clinical diagnosis	In house documented procedures based on equipment manuals and standard methods:	CXH (M)
Sputum, Bronchio-alveolar lavages (BAL) / washings,	Mycobacteria tuberculosis complex and rifampicin	Real Time PCR using GeneXpert and Ultra-10 kit	
ultra sound guided EBUS)	resistance detection	TB GeneXpert SOP INIS-LP-238-X	
		Cepheid GeneXpert SOP INIS-LP- 262-X	
Swabs	MRSA and SA detection to identify mecA, mecC and	Real Time PCR using GeneXpert and Nasal (NxG) kit:	
	SCCmec subtype'	Cepheid GeneXpert SOP INIS-LP- 262-X	
		MRSA GeneXpert SOP INIS-LP-251-X	
Cultured Isolates	Detection and differentiation of the	Real Time PCR using Cepheid GeneXpert and Carba-R Assay:	
	blaKPC, blaNDM, blaVIM, blaOXA-48, and blaIMP-1 gene sequences	Cepheid GeneXpert SOP INIS-LP- 262-X	
	associated with carbapenem-non-susceptibility in Gram-negative bacteria	Xpert Carba Cepheid Complete INIS- LP-257-X	

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HUMAN BODY FLUIDS AND TISSUES (cont'd)	Molecular examination activities for the purpose of clinical diagnosis (cont'd)	In house documented procedures based on equipment manuals and standard methods:	CXH (M)
Faeces	Detection of: Salmonella enterica Shigella spp Enteroinvasive E.coli, Campylobacter jejuni/coli/lari, Shiga toxin producing E.coli (STEC), Cryptosporidium parvum/ hominis Giardia lamblia	EntericBio Gastro Panel 2 by Real Time PCR Serosep autosampler and Roche light cycler 480 SOP INIS-LP-264-X	
Faeces	Detection of Clostridium difficile	Real Time PCR Serosep autosampler and Roche light cycler 480 SOP INIS-LP-269-X	

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HUMAN BODY FLUIDS AND TISSUES (cont'd)	Immunology examination activities for the purpose of clinical diagnosis		
	Allergy and Immune Serology	Fluoro Enzyme Immuno Assay (FEIA) by Phadia250 using SOP:	CXH (I)
Serum	Specific IgE for the following	INIS-LP-068-X	
	Almond Alternaria Alternata Amoxycillin Ampicillin Apple Aspergillus Avocado Banana Barley Beef Blue Mussel Brazil Nut Carrot Casein Cladosporium Candida Albicans Cashew Nut Cat Cefaclor Cheese Cheddar Chick Pea Chicken Meat Chilli Pepper Chocolate Cockroach Coconut		

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HUMAN BODY FLUIDS AND TISSUES (cont'd)	Immunology examination activities for the purpose of clinical diagnosis (cont'd)	In house documented procedures based on equipment manuals and standard methods:	CXH (I)
	Allergy and Immune Serology (cont'd)	Fluoro Enzyme Immuno Assay (FEIA) by Phadia250 using SOP:	
Serum (cont'd)	Specific IgE for the following (cont'd)	INIS-LP-068-X	
	Cod Fish Coffee Corn Cows Milk Crab Cray Fish		
	Dog Egg White Egg Yolk Garlic Gluten Grape Grass Mix Green Bean House Dust Mite Halibut Hazelnut Honey Honey Bee Venom Horse Kiwi Lamb Latex Lemon Lentil Lobster Lupine Seed		

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HUMAN BODY FLUIDS AND TISSUES (cont'd)	Immunology examination activities for the purpose of clinical diagnosis (cont'd)	In house documented procedures based on equipment manuals and standard methods:	CXH (I)
	Allergy and Immune Serology (cont'd)	Fluoro Enzyme Immuno Assay (FEIA) by Phadia250 using SOP:	
Serum (cont'd)	Specific IgE for the following (cont'd)	INIS-LP-068-X	
	Macadamia Nut Mackerel Mould Mix Mango Mixed Tree Morphine Mustard Mushroom Oats Omega-5-Gliadin Onion Orange Oyster		
	Pea Peach		
	Peanut Pear Peacn Nut Penicillin G Penicillin V Pine Nut Pistachio Nut Pork Potato Rabbit Epithelium Red Kidney Bean Rice Salmon Sardine Scallop Sesame Seed Shrimp Silver Birch Soya Bean Squid Strawberry Sunflower Seed Suxamethonium		

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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS AND TISSUES (cont'd)	Immunology examination activities for the purpose of clinical diagnosis (cont'd)	In house documented procedures based on equipment manuals and standard methods:	CXH (I)
Serum (cont'd)	Allergy and Immune Serology (cont'd)	Fluoro Enzyme Immuno Assay (FEIA) by Phadia250 using SOP:	
	Specific IgE for the following (cont'd)	INIS-LP-068-X	
	Tomato Tuna Fish White Bean Walnut Wasp Venom Weed Mix Wheat Yeast		
	Total IgE		
	Tryptase	INIS-LP-068-X	
			1

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HUMAN BODY FLUIDS AND TISSUES (cont'd)	Immunology examination activities for the purpose of clinical diagnosis (cont'd)	In house documented procedures based on equipment manuals and standard methods:	CXH (I)
		Fluoro Enzyme Immuno Assay (FEIA) by Phadia250 using SOP:	
Serum	Glomerular Basement Membrane Ab	INIS-LP-062-X	
	ANCA: MPO antibodies	INIS-LP-062-X	
	ANCA: PR3 antibodies	INIS-LP-062-X	
	Anti-Nuclear antibody (ANA) screen (CTD screen)	INIS-LP-062-X	
Serum	Detection of Aspergillis IgG	INIS-LP-068-X	
		Enzyme Linked Immunosorbent Assay (ELISA) DS2 using SOP:	
	Intrinsic Factor IgG antibodies	INIS-LP-118-X	
	PLA2R	INIS-LP-070-X	
	Pneumococcal antibodies	INIS-LP-071-X	
	Tetanus antibodies	INIS-LP-105-X	
		Enzyme Linked Immunosorbent Assay (ELISA) Manual method using SOP:	
	Glutamate Decarboxylase Antibody	INIS-LP-065-X	
	Thyroid stimulating hormone receptor (TSHR) antibodies	INIS-LP-006-X	
	Anti-IA2 IgG	INIS-LP-085-X	
		Automated immunofluorescence using the Inova Quantalyser 3000:	CXH (I)

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HUMAN BODY FLUIDS AND TISSUES (cont'd)	Immunology examination activities for the purpose of clinical diagnosis (cont'd)	In house documented procedures based on equipment manuals and standard methods:	CXH (I)
Serum	dsDNA (Crithidia substrate)	INIS-LP-120-X	
	Endomysium antibodies (IgA)	INIS-LP-120-X	
	Liver autoantibody screen (LKS): Anti-Smooth Muscle antibody (SMA) IgG (LKS screen), Anti Mitochondrial Antibody (LKS Screen), Anti-gastric parietal cells (LKS Screen), Liver/kidney microsomal Ab (LKS Screen)	INIS-LP-120-X	
	Antinuclear antibodies IgG (ANA Hep2 screen)	INIS-LP-120-X	
	Neuronal antibodies	INIS-LP-120-X	
	Anti-neutrophil cytoplasmic antibody (ANCA) (IgG)	INIS-LP-120-X	

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HUMAN BODY FLUIDS	Immunology examination activities for the purposes of clinical diagnosis (cont'd)	Documented In-house Methods and Manufacturer's instructions for analyser with specific reference to:	CXH (I)
		Indirect Immunofluorescence by manual method using SOP:	
Serum	Adrenal Cortex Antibody	INIS-LP-120-X	
Serum	Ovarian antibodies	INIS-LP-120-X	
Serum	Anti-Nuclear Antibody (ANA) (IgG)	INIS-LP-120-X	
Serum	Liver autoantibody screen (LKS): Anti-Smooth Muscle antibody (SMA) IgG Anti Mitochondrial Antibody (AMA) Anti-gastric parietal cells Liver/kidney microsomal Ab (LKM)	INIS-LP-120-X	
	C1-Esterase inhibitor	Optilite SOP INIS-LP-117-X	
	IgG Subclasses		
		Immunoblot by Euroblot One/manual technique using SOPs:	
	MPO, PR3 and GBM	INIS-LP-016-X (Euroblot 1)	
	antibody confirmations	INIS-LP-017-X (manual)	
	Liver autoantibody confirmation (AMA-M2, 3E	INIS-LP-016-X (Euroblot 1)	
	(BPO), Sp100, PML, gp210, LKM-1, LC-1, SLA/LP, Ro52)	INIS-LP-017-X (manual)	

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HUMAN BODY FLUIDS (cont'd):	Immunology examination activities for the purposes of clinical diagnosis (cont'd) Myositis immunoblot (Ro52, OJ, EJ, PL-12, PL- 7, SRP, Jo-1, PM-Scl 75, PM-Scl 100, Ku)	Documented In-house Methods and Manufacturer's instructions for analyser with specific reference to: INIS-LP-016-X (Euroblot 1) INIS-LP-017-X (manual)	CXH (I)
Serum, CSF	Neuronal autoantibody confirmation (Amphiphysin, CV2, PNMA2(MA2), Ri, Hu, YO)	INIS-LP-017-X	
		Multiplex Flow Immunoassay by Bio- Rad Bioplex 2200 using SOP:	CXH (I)
Serum	IgA, IgG anti-tissue transglutaminase antibodies	INIS-LP-106-X	
Serum	ANTI-dsDNA Quantitative assay	INIS-LP-114-X	
Serum	Anti-Extractable Nuclear Antigens (Ribosomal P, Ro52, Ro60, SS-B/La, Centromere B, Sm, SmRNP, RNP68, RNPA, ScI-70, Jo-1)	INIS-LP-114-X	
Serum	Anti cardiolipin antibody IgG, IgM	INIS-LP-115-X	
Serum	Anti β2 glycoprotein 1 lgG, lgM antibody	INIS-LP-115-X	

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HUMAN BODY FLUIDS (cont'd):	Immunology examination activities for the purposes of clinical diagnosis (cont'd)	Documented In-house Methods and Manufacturer's instructions for analyser with specific reference to:	CXH (I)
	Cellular Assays		
	Immunophenotyping of the following markers/antigens to diagnose and monitor primary and secondary immunodeficiency:	Flow Cytometry by Beckman Coulter Navios using SOP:	
Whole blood	Lymphocyte Subsets	INIS-LP-044-X	
Whole blood	Immunophenotyping of the following markers/antigens to diagnose and monitor primary and secondary immunodeficiency:	Flow Cytometry by Beckman Coulter Navios using SOP:	
	B cell memory panel	INIS-LP-002-X	
	T cell memory panel	INIS-LP-002-X	
	Activated T cells (%)	INIS-LP-003-X	
	T Cell Subsets (CD4/CD8)	INIS-LP-044-X	
		In vitro stimulation cytokine release ELISA, ELISpot by DS2 using SOP:	
	Quantiferon TB Assay	INIS-LP-010-X	
	Immunodeficiency and Complement		
		Enzyme Linked Immunosorbent Assay (ELISA) Manual using SOP:	
Serum	Alternative Complement Pathway	INIS-LP-064-X	
	Complement C1q Antibody	INIS-LP-012-X	
	Total haemolytic complement	INIS-LP-064-X	

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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS (cont'd):	Immunology examination activities for the purposes of clinical diagnosis (cont'd)	Documented In-house Methods and Manufacturer's instructions for analyser with specific reference to:	
		Manual Photometric Analysis using SOP:	CXH (I)
	Functional C1 inhibitor	INIS-LP-009-X	
	Microbiology & Serology		
		Manual Latex agglutination test using RHEUMAJET ASO and SOP:	CXH (I)
	Anti-Streptolysin O titre	INIS-LP-021-X	
Serum	Rapid Plasma Reagin (RPR)	Manual flocculation test using ASI RPR card	CXH (I)
		INIS-LP-023-X	
Serum	Detection of <i>Treponema</i> pallidum	Manual TPHA test using the Fortress TPHA kit	CXH (I)
		INIS-LP-283-X	
Serum	Aspergillus β-D-Glucan abtigen detection	Kinetic turbidimetric method using the Fujifilm β-Glucan Test on the MT-6500 Toxinometer	CXH (I)
		INIS-LP-113-X	

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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS (cont'd):	Microbiology and Serology examination activities for the purposes of clinical diagnosis (cont'd):	Documented In-house Methods and Manufacturer's instructions for analyser with specific reference to:	
	Hepatitis E IgG, IgM	Fortress Diagnostics by Enzyme Linked Immunosorbent Assay (ELISA) by DS2:	CXH (I)
		INIS-LP-084-X	
	Lyme (Borrelia) IgG / IgM	Euroimmun by Enzyme Linked Immunosorbent Assay (ELISA) by DS2:	CXH (I)
		INIS-LP-098-X	
Serum Bronchoalveolar Lavage	Aspergillis galactomannan antigen detection	Platelia™ Aspergillus EIA using the Dynex DS2	CXH (I)
		INIS-LP-127-X	
		Chemiluminescence immunoassay (CLIA) by Diasorin Liaison XL using SOP:	CXH (I)
	Hepatitis B Surface Antigen confirmation	INIS-LP-096-X	
	Hepatitis B Core Total Antibody	INIS-LP-095-X	
	Herpes Simplex virus (HSV) IgG	INIS-LP-102-X	
	Measles Virus IgG, IgM	INIS-LP-101-X	
	Mumps IgG, IgM	INIS-LP-097-X	
	Parvovirus IgG, IgM	INIS-LP-107-X	
	Varicella Zoster Virus (VZV)	INIS-LP-126-X	

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Materials/Products tested Type of test/Properties measured/Range of measurement Standard specification Equipment/Techniques of measurement Microbiology and Serology (cont'd): Documented In-house Method Manufacturer's instructions for	
(cont'd): <u>examination activities for</u> Manufacturer's instructions for	
the purposes of clinical analyser with specific reference diagnosis (cont'd):	r
HIV1/2 antibody/antigen confirmation Multiplex Flow Immunoassay Rad Bioplex 2200 using HIV Confirmation Bio-Rad Bioplex SOP:	
INIS-LP-094-X	
Immunochromographic techn using Biorad Geenius HIV I/II Confirmatory Assay using SC	
HIV Antibody Typing Assay INIS-LP-077-X	
Documented In-house Methon ELITechELITe InGenius™ and ELITE MGB kit Manufacturer's instructions for analyser with specific referen SOP:	nd HEV or
Gential swabs Urine Mycoplasma genitalium detection and macrolide resistance testing INIS-LP-306-X	
Plasma Detection of Hepatitis E INIS-LP-309-X	
Plasma Detection of Parvovirus INIS-LP-309-X B19	
Plasma Detection of HHV6 INIS-LP-309-X	

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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS (cont'd):	Microbiology and Serology examination activities for the purposes of clinical diagnosis (cont'd)	Documented In-house Methods and Roche Cobas 6800/8800 Manufacturer's instructions for analyser with specific reference to SOP:	CXH (I)
Plasma	Quantitative CMV viral Load	INIS-LP-082-X	
Plasma Serum	Quantitative Hepatitis C Virus viral load	INIS-LP-082-X	
Plasma	Quantitative Hepatitis B Virus viral load	INIS-LP-082-X	
Plasma	Quantitative HIV-1 viral load	INIS-LP-082-X	
Cervical, vaginal, vulval, throat and rectal swabs Urine	Detection of CT/NG (DNA)	INIS-LP-304-X	
Cervical and vaginal swabs Urine	Detection of <i>Trichomonas</i> vaginalis (DNA)	INIS-LP-104-X	
Cervical and vaginal swabs Urine	Detection of Mycoplasma genitalium (DNA)	INIS-LP-104-X	
Urine Plasma	Detection of BK Virus	INIS-LP-00296-X	
Plasma	Detection of Epstein Barr virus	INIS-LP-00296-X	
Plasma	Detection of Adenovirus	INIS-LP-320-X	
		Documented in-house methods for Next Generation Sequencing using the Vela Diagnostics NGS assay:	СХН
Plasma	Detection of protease inhibitor, reverse transcriptase inhibitor and integrase inhibitor resistance	INIS-LP-121-X	

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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS (cont'd):	Microbiology and Serology examination activities for the purposes of clinical diagnosis (cont'd):		
		Multiplex nested Real time with melt curve analysis PCR using High-Plex 24 system Aus Diagnostics and SOP:	CXH (F)
NPA/BAL/ETA/ swabs	Detection of Influenza A, Influenza B, RSV, Parainfluenza 1, 2, 3, 4, Adenovirus, Rhinovirus, Enterovirus, HMPV, Mycoplasma pneumoniae, Bordetella sp, Bordetella pertussis	INIS-LP-088-X	
Nose and throat swabs in viral transport media, Sputum	Detection of SARS-CoV-2 (COVID-19) RNA. Specific gene targets ORF1a and ORF8	Using SARS-CoV-2a and 2b High-Plex 24 assay and AusDiagnostic extraction reagents INIS-LP-088-X INIS-LP-089-X	CXH (F)

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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS (cont'd):	Microbiology and Serology examination activities for the purposes of clinical diagnosis (cont'd):	Documented In-house Methods and Manufacturer's instructions for analyser with specific reference to:	
Nose and throat swabs in Cobas media	Detection of SARS-CoV-2 (COVID-19) RNA. Specific gene targets ORF1a/b and E gene	Real time PCR with Roche Cobas 6800 using Cobas SARS-CoV-2 kit INIS-LP-082-X	CXH (I)
Nasopharyngeal swab, nasal swab, or nasal wash/ aspirate specimens in eNAT transport medum	Detection of SARS-CoV-2 (COVID-19) gene markers (E, N and RdRp genes) Influenza A matrix (M), influenza A basic polymerase (PB2), influenza A acidic protein (PA), influenza B matrix (M), influenza B nonstructural protein (NS) RSV A and RSV B	Real-Time PCR using Cepheid Genexpert Xpert Xpress and SARS- CoV-2/Flu/RSV Cepheid four in one test INIS-LP-125-NWL	CXH (Mol) SMH THH HH
	Detection of SARS-CoV-2 (COVID-19) gene markers (E, N and RdRp genes)	Real-Time PCR using Cepheid Genexpert Xpert Xpress SARS-CoV-2 INIS-LP-109-NWL	CXH SMH THH HH

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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS (cont'd):	H&I Examination activities for the purposes of clinical diagnosis:	Documented In-house Methods and Manufacturer's instructions for analyser with specific reference to:	
Blood Buccal swabs	DNA Extraction	Semi-automated method using EZ1 DNA Extraction kit INIS-LP-184-H	НН
DNA extracted from blood and buccal swabs	HLA Class I & II Typing	DNA quantification using the Nanodrop, PCR-Sequence Specific Oligo Typing (SSO)Thermal cycler S1000 or PTC200, or Veriti, Luminex Flexmap 3D:	НН
		INIS-LP-157-H	
DNA extracted from blood	HLA Class I & II Typing	DNA quantification using the Nanodrop, PCR-Sequence Specific Primer (SSP)Thermal cycler S1000, PTC200 or Veriti and Quantstudio6 Flex INIS-LP-156-H	нн
Serum	CDC direct crossmatch	Complement Dependent Cytotoxicity (CDC) Inverted fluorescent microscope:	
		INIS-LP-170-H	НН
		BD FACS Lyric flow cytometer:	
Serum and cells separated from whole blood	Flow cytometric direct crossmatch	INIS-LP-166-H	НН
		INIS-LP-145-H	
Serum	HLA Antibody Screen I And II	Luminex Flexmap 3D using OneLambda Labscreen INIS-LP-180-H	нн

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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code		
HUMAN BODY FLUIDS (cont'd):	H&I Examination activities for the purposes of clinical diagnosis (cont):	Documented In-house Methods and Manufacturer's instructions for analyser with specific reference to:	нн		
DNA extracted from blood	HLA Antibody Characterisation Class I & II	Luminex Flexmap 3D using OneLambda Labscreen Single Antigen and Lifecodes Single Antigen tests: INIS-LP-148-H INIS-LP-143-H	НН		
DNA extracted from blood and buccal swabs	HLA B27 HLA B57 High resolution Class I & II	Next Generation Sequencing with iSeqTM100 Sequencing System and DNA quantification using the Qubit 4 Fluorometer with thermal cyclers S1000,PTC200, or Veriti using INIS-LP-149-H	НН		
END					

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